

## ABSTRACT OF THE DISCLOSURE

[0069] A network (10) includes a plurality of packet switches (12) for routing data packets. The packet switches (12) include input ports (16) for receiving packets and output ports (20) for sending packets. A matrix (18) passes packets from an input port (16) to a desired output port (20). Input ports (16) include one or more input queues (22) and output ports (20) include an output queue (24). Each input queue (22) is associated with an output queue (24). Control messages for passed between the input ports (16) and output ports (20) for controlling the acceleration of the rate of data transfer between associated input queues (22) and output queues (24).